

WEST

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l49 and cache	5

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IBM Technical Disclosure Bulletins

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Search History**Today's Date: 3/19/2001**

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USPT	l47 and network same handle	302	<u>L48</u>
USPT	l46 and server	1533	<u>L47</u>
USPT	l45 and network	2674	<u>L46</u>
USPT	data object	5644	<u>L45</u>
USPT	5796999.pn.	1	<u>L44</u>
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USPT	l41 and query\$	13	<u>L42</u>
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USPT	l39 and query\$	11	<u>L40</u>
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USPT	l37 and server	42	<u>L38</u>
USPT	l36 and copy	57	<u>L37</u>

USPT	l35 and updated	95	L36
USPT	l34 and information	143	L35
USPT	l33 and trigger same code	143	L34
USPT	database system	3972	L33
USPT	l30 and trigger same code	1	L32
USPT	l30 and trigger code	0	L31
USPT	l23 and database system	46	L30
USPT	l23 and usage	10	L29
USPT	l25 and usage	0	L28
USPT	l25 and fetcher	0	L27
USPT	l24 and update\$	31	L26
USPT	l24 and updater	0	L25
USPT	l23 and copy	36	L24
USPT	l22 and network same server	75	L23
USPT	oracle.as.	255	L22
USPT	l20 and network same hops	10	L21
USPT	l18 and data same access same layer	61	L20
USPT	l1 and data same access same layer	0	L19
USPT	l13 and database same server	539	L18
USPT	l14 and database	0	L17
USPT	l14 and database same server	0	L16
USPT	l13 and query	437	L15
USPT	l13 and data access layer	0	L14
USPT	l12 and web server	872	L13
USPT	l11 and page	1631	L12
USPT	l10 and html or hypertext markup language	1825	L11
USPT	l9 and universal resource locator or url	2265	L10
USPT	l8 and web browser same software	782	L9
USPT	world wide web or internet	13469	L8
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USPT	5920705.pn.	1	L4
USPT	5564113.pn.	1	L3
USPT	5564113.uref.	15	L2
USPT	5924096.uref.	5	L1

WEST

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Refine Search:

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Search History**Today's Date: 3/19/2001**

<u>DB Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
USPT	l41 and query\$	13	<u>L42</u>
USPT	l37 and cache	17	<u>L41</u>
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USPT	l38 and log same request\$	13	<u>L39</u>
USPT	l37 and server	42	<u>L38</u>
USPT	l36 and copy	57	<u>L37</u>
USPT	l35 and updated	95	<u>L36</u>
USPT	l34 and information	143	<u>L35</u>
USPT	l33 and trigger same code	143	<u>L34</u>
USPT	database system	3972	<u>L33</u>
USPT	l30 and trigger same code	1	<u>L32</u>
USPT	l30 and trigger code	0	<u>L31</u>
USPT	l23 and database system	46	<u>L30</u>
USPT	l23 and usage	10	<u>L29</u>
USPT	l25 and usage	0	<u>L28</u>

USPT	l25 and fetcher	0	L27
USPT	l24 and update\$	31	L26
USPT	l24 and updater	0	L25
USPT	l23 and copy	36	L24
USPT	l22 and network same server	75	L23
USPT	oracle.as.	255	L22
USPT	l20 and network same hops	10	L21
USPT	l18 and data same access same layer	61	L20
USPT	l1 and data same access same layer	0	L19
USPT	l13 and database same server	539	L18
USPT	l14 and database	0	L17
USPT	l14 and database same server	0	L16
USPT	l13 and query	437	L15
USPT	l13 and data access layer	0	L14
USPT	l12 and web server	872	L13
USPT	l11 and page	1631	L12
USPT	l10 and html or hypertext markup language	1825	L11
USPT	l9 and universal resource locator or url	2265	L10
USPT	l8 and web browser same software	782	L9
USPT	world wide web or internet	13469	L8
USPT	5920705.uref.	4	L7
USPT	5623659.uref.	11	L6
USPT	5623659.pn.	1	L5
USPT	5920705.pn.	1	L4
USPT	5564113.pn.	1	L3
USPT	5564113.uref.	15	L2
USPT	5924096.uref.	5	L1

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Results:

Journal or Magazine = **JNL** Conference = **CNF** Standard = **STD**

1 Web caching: locality of references revisited

Foong, A.P.; Yu-Hen Hu; Heisey, D.M.

Networks, 2000. (ICON 2000). Proceedings. IEEE International Conference on , 2000
Page(s): 81 -86

[\[Abstract\]](#) [\[PDF Full-Text\]](#) **CNF**

2 Efficient Web-based access to multiple geographic databases through automatically generated wrappers

Cha, S.K.; Kihong Kim; Changbin Song; Yongsik Kwon; Sangyong Hwang

Web Information Systems Engineering, 2000. Proceedings of the First International Conference on , Volume: 1 , 2000
Page(s): 34 -41 vol.1

[\[Abstract\]](#) [\[PDF Full-Text\]](#) **CNF**

3 A distributed-object infrastructure for corporate Websites

Kuz, I.; Verkaik, P.; Van Steen, M.; Sips, H.J.

Distributed Objects and Applications, 2000. Proceedings. DOA '00. International Symposium on , 2000
Page(s): 165 -176

[\[Abstract\]](#) [\[PDF Full-Text\]](#) **CNF**

4 LRU-SP: a size-adjusted and popularity-aware LRU replacement algorithm for web caching

Kai Cheng; Kambayashi, Y.

Computer Software and Applications Conference, 2000. COMPSAC 2000. The 24th Annual International , 2000
Page(s): 48 -53

[\[Abstract\]](#) [\[PDF Full-Text\]](#) **CNF**

5 Effective caching of Web objects using Zipf's law

Serpanos, D.N.; Karakostas, G.; Wolf, W.H.

Multimedia and Expo, 2000. ICME 2000. 2000 IEEE International Conference on , Volume: 2 , 2000

Page(s): 727 -730 vol.2

[\[Abstract\]](#) [\[PDF Full-Text\]](#) [CNF](#)

6 Replicating the contents of a WWW multimedia repository to minimize download time*Loukopoulos, T.; Ahmad, I.*

Parallel and Distributed Processing Symposium, 2000. IPDPS 2000. Proceedings. 14th International , 2000

Page(s): 500 -505

[\[Abstract\]](#) [\[PDF Full-Text\]](#) [CNF](#)

7 Performance evaluation of an interactive Web-based multimedia document system with streaming media*Fahmi, H.; Latif, M.; Ghafoor, A.; Liu, P.; Hou, L.*

Multimedia and Expo, 2000. ICME 2000. 2000 IEEE International Conference on , Volume: 1 , 2000

Page(s): 80 -83 vol.1

[\[Abstract\]](#) [\[PDF Full-Text\]](#) [CNF](#)

8 Design alternatives for scalable Web server accelerators*Junehwa Song; Levy-Abegnoli, E.; Iyengar, A.; Dias, D.*

Performance Analysis of Systems and Software, 2000. ISPASS. 2000 IEEE International Symposium on , 2000

Page(s): 184 -192

[\[Abstract\]](#) [\[PDF Full-Text\]](#) [CNF](#)

9 Mobile Cache Protocol: a dynamic object relocation protocol for wide area networks*Watanabe, T.; Mori, A.; Yamamoto, Y.*

Distributed Computing Systems, 2000. Proceedings. 20th International Conference on 2000

Page(s): 420 -427

[\[Abstract\]](#) [\[PDF Full-Text\]](#) [CNF](#)

10 Popularity-aware greedy dual-size Web proxy caching algorithms*Shudong Jin; Bestavros, A.*

Distributed Computing Systems, 2000. Proceedings. 20th International Conference on 2000

Page(s): 254 -261

[\[Abstract\]](#) [\[PDF Full-Text\]](#) [CNF](#)

11 Efficient query result retrieval over the Web*Chan, E.P.F.; Ueda, K.*

Parallel and Distributed Systems, 2000. Proceedings. Seventh International Conferenc on , 2000

Page(s): 161 -170

[\[Abstract\]](#) [\[PDF Full-Text\]](#) **CNF**

12 An empirical evaluation of client-side server selection algorithms

Dykes, S.G.; Robbins, K.A.; Jeffery, C.L.

INFOCOM 2000. Nineteenth Annual Joint Conference of the IEEE Computer and Communications Societies. Proceedings. IEEE , Volume: 3 , 2000

Page(s): 1361 -1370 vol.3

[\[Abstract\]](#) [\[PDF Full-Text\]](#) **CNF**

13 Hint-based acceleration of Web proxy caches

Rosu, D.; Iyengar, A.; Dias, D.

Performance, Computing, and Communications Conference, 2000. IPCCC '00. Conference Proceeding of the IEEE International , 2000

Page(s): 30 -37

[\[Abstract\]](#) [\[PDF Full-Text\]](#) **CNF**

14 Replicating the R in URL

Allison, C.; Bramley, M.; Serrano, J.; McKechnan, D.

Parallel and Distributed Processing, 2000. Proceedings. 8th Euromicro Workshop on , 1999

Page(s): 77 -83

[\[Abstract\]](#) [\[PDF Full-Text\]](#) **CNF**

15 Adaptive leases: a strong consistency mechanism for the World Wide Web

Duvvuri, V.; Shenoy, P.; Tewari, R.

INFOCOM 2000. Nineteenth Annual Joint Conference of the IEEE Computer and Communications Societies. Proceedings. IEEE , Volume: 2 , 2000

Page(s): 834 -843 vol.2

[\[Abstract\]](#) [\[PDF Full-Text\]](#) **CNF**

16 The effect of consistency on cache response time

Dilley, J.

IEEE Network , Volume: 14 Issue: 3 , May-June 2000

Page(s): 24 -28

[\[Abstract\]](#) [\[PDF Full-Text\]](#) **JNL**

17 On optimal replacement of nonuniform cache objects

Hosseini-Khayat, S.

Computers, IEEE Transactions on , Volume: 49 Issue: 8 , Aug. 2000

Page(s): 769 -778

[\[Abstract\]](#) [\[PDF Full-Text\]](#) **JNL**

18 SPEC CPU2000: measuring CPU performance in the New Millennium

Henning, J.L.

Computer Volume: 33 Issue: 7 , July 2000
Page(s): 28 -35

[\[Abstract\]](#) [\[PDF Full-Text\]](#) **JNL**

19 Distributed Web caching using hash-based query caching method

Asaka, T.; Miwa, H.; Tanaka, Y.

Control Applications, 1999. Proceedings of the 1999 IEEE International Conference on
Volume: 2 , 1999

Page(s): 1620 -1625 vol. 2

[\[Abstract\]](#) [\[PDF Full-Text\]](#) **CNF**

20 The case for better throughput estimation

Noble, B.D.; Li Li; Prakash, A.

Hot Topics in Operating Systems, 1999. Proceedings of the Seventh Workshop on ,
1999

Page(s): 70 -75

[\[Abstract\]](#) [\[PDF Full-Text\]](#) **CNF**

21 High performance distributed objects using caching proxies for large scale applications

Martin, P.; Callaghan, V.; Clark, A.

Distributed Objects and Applications, 1999. Proceedings of the International
Symposium on , 1999

Page(s): 110 -119

[\[Abstract\]](#) [\[PDF Full-Text\]](#) **CNF**

22 Coordinated placement and replacement for large-scale distributed caches

Korupolu, M.R.; Dahlin, M.

Internet Applications, 1999. IEEE Workshop on , 1999

Page(s): 62 -71

[\[Abstract\]](#) [\[PDF Full-Text\]](#) **CNF**

23 Architecture of data mining server: DATAFRONT/Server

Ashida, H.; Morita, T.

Systems, Man, and Cybernetics, 1999. IEEE SMC '99 Conference Proceedings. 1999
IEEE International Conference on , Volume: 5 , 1999

Page(s): 882 -887 vol.5

[\[Abstract\]](#) [\[PDF Full-Text\]](#) **CNF**

24 Adaptive Web caching using logistic regression

Foong, A.P.; Yu-Hen Hu; Heisey, D.M.

Neural Networks for Signal Processing IX, 1999. Proceedings of the 1999 IEEE Signal
Processing Society Workshop. , 1999

Page(s): 515 -524

[\[Abstract\]](#) [\[PDF Full-Text\]](#) **CNF**

25 Systematic multiresolution and its application to the World Wide Web*Acharya, S.; Korth, H.F.; Poosala, V.*

Data Engineering, 1999. Proceedings., 15th International Conference on , 1999

Page(s): 40 -49

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WEST**End of Result Set**☐ **Generate Collection**

L6: Entry 11 of 11

File: USPT

May 12, 1998

US-PAT-NO: 5751958

DOCUMENT-IDENTIFIER: US 5751958 A

TITLE: Allowing inconsistency in a distributed client-server application

DATE-ISSUED: May 12, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Zweben; Monte	San Francisco	CA	N/A	N/A
Deale; Michael J.	Sunnyvale	CA	N/A	N/A
Vershel; Mark A.	Palo Alto	CA	N/A	N/A
Pettus; Christophe E.	San Francisco	CA	N/A	N/A

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
PeopleSoft, Inc.	Pleasanton	CA	N/A	N/A	02

APPL-NO: 8/ 497506

DATE FILED: June 30, 1995

PARENT-CASE:

CROSS-REFERENCES TO RELATED APPLICATIONS This application is related to and incorporates by reference the commonly owned, co-pending U.S. patent application Ser. No. 08/321,603, entitled "Iterative Repair Optimization with Particular Application to Scheduling for Integrated Capacity and Inventory Planning," by Monte Zweben, Michael J. Deale, Eugene D. Davis and Brian L. Daun", filed on Oct. 11, 1994, and the commonly owned, co-pending U.S. patent application Ser. No. 08/372,047, entitled "Net Change Management for Object-Oriented Modeling," by Monte Zweben and Michael J. Deale, filed on Jan. 10, 1995.

INT-CL: [6] H04L 12/00

US-CL-ISSUED: 395/200.34; 395/200.31, 707/8

US-CL-CURRENT: 709/204; 707/8, 709/201

FIELD-OF-SEARCH: 395/200.03, 395/200.04, 395/200.09, 395/608, 395/610, 395/617, 395/619, 395/200.34, 395/200.31, 395/703, 707/8

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search Selected**Search ALL**

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/> 4495559	January 1985	Gelatt, Jr. et al.	364/148
<input type="checkbox"/> 4864507	September 1989	Ebling et al.	364/149
<input type="checkbox"/> 4874963	October 1989	Alspector	307/201
<input type="checkbox"/> 4931944	June 1990	Richter et al.	364/468
<input type="checkbox"/> 5237497	August 1993	Sitarski	364/402
<input type="checkbox"/> 5255345	October 1993	Shaefer	395/13
<input type="checkbox"/> 5261069	November 1993	Wilkinson et al.	395/425
<input type="checkbox"/> 5303328	April 1994	Masui et al.	395/23
<input type="checkbox"/> 5434994	July 1995	Shaheen et al.	395/500
<input type="checkbox"/> 5490270	February 1996	Devarakonda et al.	395/600
<input type="checkbox"/> 5577240	November 1996	Demers et al.	395/608
<input type="checkbox"/> 5581753	December 1996	Terry et al.	395/617
<input type="checkbox"/> 5581754	December 1996	Terry et al.	395/608
<input type="checkbox"/> 5603026	February 1997	Demers et al.	395/608
<input type="checkbox"/> 5623655	April 1997	Chisaka	395/608
<input type="checkbox"/> 5623659	April 1997	Shi et al.	395/608

OTHER PUBLICATIONS

M. Zweben et al., "Learning to improve constraint-based scheduling", Artificial Intelligence 58, Elsevier Science Publishers B.V., 1992, pp. 271-296.
M. Zweben et al., "Scheduling and Rescheduling with Iterative Repair", IEEE Transactions on Systems, Man, and Cybernetics. vol. 23, No. 6, Nov./Dec. 1993, pp. 1588-1595.
M. Zweben et al., "Heuristics versus Lookahead in Iterative Repair Scheduling", The Proceedings of the 13th International Joint Conference on Artificial Intelligence, 1993, pp. 1416-1422.
M. Zweben et al., "Scheduling and Rescheduling With Iterative Repair", Intelligent Scheduling, Chapter 8, Morgan Kaufmann Publishers, 1994, pp. 241-255.
M. Zweben et al., "The Space Shuttle Ground Processing Scheduling System", Intelligent Scheduling, Chapter 15, Morgan Kaufmann Publishers, 1994, pp. 423-449.

ART-UNIT: 232

PRIMARY-EXAMINER: Donaghue; Larry D.

ATTY-AGENT-FIRM: Graham; David R.

ABSTRACT:

The invention enables multiple users to simultaneously access and change the contents of a database in a flexible manner. Each user interacts with a working copy of a master copy of the database. The contents of each of the working copies of the database can be accessed and manipulated so that the contents of the working copy of the database can be revised. Each user has control over whether to the "publish" revisions made to the contents of that user's working copy of the database, i.e., write the revisions to the master copy and present other users with the option of including the revisions in the working copies of those other users. Each user has the option to reject revisions published by other users so that the contents of each user's working copy of the database may or may not be maintained consistent with other working copies of the database operated on by other users. However, in order to ensure data integrity of the master database, each user that rejects the inclusion of revisions published by another user is prospectively prevented from publishing revisions to other users, until the user accepts the previously rejected published revisions. The invention employs a distributed architecture that allows each user to interact with that user's working copy of the database in a way that is controlled by that user without impairing the functionality of the database for other users. The database inconsistency allowed by the invention facilitates the performance by users of "what-if" analyses.

20 Claims, 10 Drawing figures

WEST**Generate Collection****Search Results - Record(s) 1 through 1 of 1 returned.**☐ **1. Document ID: US 5564113 A**

L3: Entry 1 of 1

File: USPT

Oct 8, 1996

US-PAT-NO: 5564113

DOCUMENT-IDENTIFIER: US 5564113 A

TITLE: Computer program product for rendering relational database management system differences transparent

DATE-ISSUED: October 8, 1996

US-CL-CURRENT: 707/4

APPL-NO: 8/ 482771

DATE FILED: June 7, 1995

PARENT-CASE:

This application is a division of application Ser. No. 08/320,308, filed Oct. 11, 1994, U.S. Pat. No. 5,450,581, which is a file wrapper continuation of U.S. patent application Ser. No. 07/876,604, filed Apr. 30, 1992.

Full	Title	CIT.1	REV.1	CLS.1	REF.1	DRAW.1

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Terms	Documents
5564113.pn.	1

Display

40

Documents, starting with Document:

1

Display Format:

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Change Format

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L2: Entry 5 of 15

File: USPT

Jun 1, 1999

US-PAT-NO: 5909683

DOCUMENT-IDENTIFIER: US 5909683 A

TITLE: Relational data base control system using object oriented access logic to limit the data base access count, and corresponding method

DATE-ISSUED: June 1, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Miginiac; Jean-Charles	Pontault-Combault, F-77340	N/A	N/A	FRX
Planard; Michel	Montgeron, F-91230	N/A	N/A	FRX

APPL-NO: 8/ 640915

DATE FILED: December 10, 1996

FOREIGN-APPL-PRIORITY-DATA:

COUNTRY	APPL-NO	APPL-DATE
FR	93/13488	November 5, 1993

PCT-DATA:

APPL-NO	DATE-FILED	PUB-NO	PUB-DATE	371-DATE	102(E)-DATE
PCT/FR94/01274	November 3, 1994	WO95/12855	May 11, 1995	Dec 10, 1996	Dec 10, 1996

INT-CL: [6] G06F 17/30

US-CL-ISSUED: 707/103; 707/203

US-CL-CURRENT: 707/103; 707/203

FIELD-OF-SEARCH: 707/4, 707/10, 707/100, 707/103, 707/203

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search Selected

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	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/>	<u>5212787</u>	May 1993	Baker et al.	707/4
<input type="checkbox"/>	<u>5499371</u>	March 1996	Henniger et al.	395/702
<input type="checkbox"/>	<u>5542078</u>	July 1996	Marsel et al.	707/101
<input type="checkbox"/>	<u>5564113</u>	October 1996	Bergen et al.	707/4
<input type="checkbox"/>	<u>5627979</u>	May 1997	Chang et al.	345/335
<input type="checkbox"/>	<u>5689698</u>	November 1997	Jones et al.	707/4

OTHER PUBLICATIONS

Barsalou, T. et al., "Complex objects for relational databases," 8340 Computer-Aided Design, Oct. 22, 1990, No. 8, London, GB, pp. 458-468.
Wiederhold, Gio, "Views, Objects, and Databases," 8153 Computer, Dec. 19, 1986, No. 12, New York, NY, USA, pp. 37-44.
Shah, Abad A., et al., "Renovation of Complex Objects in the Temporal Object System," Mar. 23, 1993, 12.sup.th Annual International Phoenix Conference on Computers and Communications, Tempe, Arizona, pp. 203-209.

Notification of Transmission of Preliminary Examination Report for PCT/FR94/01274 dated Dec. 28, 1995.

ART-UNIT: 276

PRIMARY-EXAMINER: Kulik; Paul V.

ATTY-AGENT-FIRM: Conley, Rose & Tayon Meyertons; Eric B.

ABSTRACT:

The invention concerns a relational data base control system stored in a first storage unit (11) controlled in accordance with a first relational access logic, and including at least a series of records, each of the records being associated with an object including at least one variable and at least one method used to affect the value of at least one of the variables, data retrievals and/or modifications being made solely on the objects in accordance with a second object oriented access logic, the system comprising:

a second temporary object storage unit (15);

a control unit (14) including an automatic command generator unit (113) to be used in the data base according to the first access logic starting from commands corresponding to the second access logic;

a data transfer unit (16) transferring data in each direction between the first storage unit (11) and the second storage unit (15), data transfers between the first and the second storage units (15) being controlled by the automatic command generator unit (113) in order to limit the number of accesses to the first storage unit (11).

10 Claims, 4 Drawing figures

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L2: Entry 13 of 15

File: USPT

Jun 9, 1998

US-PAT-NO: 5765159

DOCUMENT-IDENTIFIER: US 5765159 A

TITLE: System and method for generating an optimized set of relational queries for fetching data from a relational database management system in response to object queries received from an object oriented environment

DATE-ISSUED: June 9, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Srinivasan; Venkatachary	Santa Clara	CA	N/A	N/A

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE	CODE
International Business Machines Corporation	Armonk	NY	N/A	N/A		02

APPL-NO: 8/ 870581

DATE FILED: May 21, 1997

PARENT-CASE:

This application is a continuation of application Ser. No. 08/366,238, filed Dec. 29, 1994, now abandoned.

INT-CL: [6] G06F 17/30

US-CL-ISSUED: 707/102; 707/3, 707/4, 707/100, 707/103

US-CL-CURRENT: 707/102; 707/100, 707/103, 707/3, 707/4

FIELD-OF-SEARCH: 395/613, 395/603, 395/604, 395/611, 395/614, 707/3, 707/4, 707/102, 707/103, 707/100

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search Selected

Search ALL

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/> 5212787	May 1993	Baker et al.	395/600
<input type="checkbox"/> 5263167	November 1993	Conner, Jr. et al.	395/700
<input type="checkbox"/> 5291583	March 1994	Bapat	395/500
<input type="checkbox"/> 5295256	March 1994	Bapat	395/500
<input type="checkbox"/> 5379419	January 1995	Heffernan et al.	395/600
<input type="checkbox"/> 5426780	June 1995	Gerull et al.	395/600
<input type="checkbox"/> 5448727	September 1995	Annevelink	395/600
<input type="checkbox"/> 5450581	September 1995	Bergen et al.	355/600
<input type="checkbox"/> 5499371	March 1996	Henninger et al.	395/700
<input type="checkbox"/> 5504885	April 1996	Alashqur	395/600
<input type="checkbox"/> 5548749	August 1996	Kroenke et al.	395/600
<input type="checkbox"/> 5550971	August 1996	Brunner et al.	395/161
<input type="checkbox"/> 5564113	October 1996	Bergen et al.	395/600
<input type="checkbox"/> 5596746	January 1997	Shen et al.	395/612
<input type="checkbox"/> 5615362	March 1997	Jensen et al.	711/103
<input type="checkbox"/> 5694598	December 1997	Durand et al.	1/1

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ABSTRACT:

The processing of object-oriented queries so as to retrieve data from a relational database management system (RDBMS) is described. An object-oriented query and at least one prefetch path are received from an object-oriented source (such as an application or user). The prefetch path identifies one or more objects which are desired to be constructed. The object-oriented query is translated to a translated object query, where the translated object query is a relational database query capable of retrieving from the RDBMS data to initialize base attributes of top-level objects identified by the object-oriented query. A set of relational queries is generated from the translated object query and the prefetch path. These relational queries, which are capable of retrieving from the RDBMS data needed to construct the objects identified by the prefetch path, are processed by the RDBMS.

28 Claims, 20 Drawing figures